

Regional HIV/AIDS Epidemiologic Profile of Plymouth County, Massachusetts: FY 2008

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2007 Plymouth County, Massachusetts

	N	%
People Living with HIV/AIDS	631	56%
People Reported with HIV or AIDS who are Deceased	486	44%
Total Number of People Reported with HIV Infection or AIDS	1,117	100%

¹ Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 2. Average annual rate of HIV infection diagnosis from 2004 to 2006 and rate of people living with HIV/AIDS on 12/31/07¹: Plymouth County, Massachusetts

Average annual HIV diagnosis rate from 2004–2006	Average Rate per 100,000	Average Number of HIV Diagnoses
Plymouth County, MA	8 per 100,000	36
Massachusetts Total	13 per 100,000	857
Rate of people living with HIV/AIDS on 12/31/07	Rate per 100,000	Number of People Living with HIV/AIDS
Plymouth County, MA	133 per 100,000	631
Massachusetts Total	267 per 100,000	16,977

¹ Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 3. People living with HIV/AIDS¹, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year²: 1999–2006, Plymouth County, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	436	15	48
2000	473	13	50
2001	520	15	62
2002	550	17	47
2003	561	19	30
2004	582	16	37
2005	597	18	33
2006	620	14	37

¹ Number of People living with HIV/AIDS on 12/31 of each year

² Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 4. People diagnosed with HIV infection from 2004–2006¹ and people living with HIV/AIDS on December 31, 2007 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Plymouth County, Massachusetts

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	64	60%	424	67%
Female	43	40%	207	33%
Place of Birth:	N	%	N	%
US	69	64%	453	72%
Puerto Rico/US Dependency ²	4	4%	31	5%
Non-US	34	32%	147	23%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	43	40%	316	50%
Black (non-Hispanic)	46	43%	223	35%
Hispanic	17	16%	79	13%
Other/Undetermined ³	1	1%	13	2%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	29	27%	170	27%
Injection Drug Use (IDU)	11	10%	132	21%
MSM/IDU	0	0%	13	2%
Heterosexual Sex	11	10%	105	17%
Other	1	1%	26	4%
Total Undetermined	55	51%	185	29%
• Presumed Heterosexual Sex ⁴	37	35%	132	21%
• Undetermined ⁵	18	17%	53	8%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2007	
Under 13	1	1%	6	1%
13 to 19	4	4%	13	2%
20 to 24	8	7%	9	1%
25 to 29	14	13%	25	4%
30 to 34	11	10%	34	5%
35 to 39	13	12%	75	12%
40 to 44	16	15%	120	19%
45 to 49	23	21%	140	22%
50 to 54	8	7%	114	18%
55 to 59	5	5%	45	7%
60+	4	4%	50	8%
Total	107	100%	631	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 5. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity: Plymouth County, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	244	58%	72	35%
Black Non-Hispanic	118	28%	105	51%
Hispanic	55	13%	24	12%
Other/Undetermined ¹	7	2%	6	3%
Total	424	100%	207	100%

¹ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Plymouth County, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	170	40%	N/A	N/A
Injection drug use (IDU)	92	22%	40	19%
MSM/IDU	13	3%	N/A	N/A
Heterosexual sex	35	8%	70	34%
Other	17	4%	9	4%
Total Undetermined	97	23%	88	43%
• Presumed heterosexual sex ¹	63	15%	69	33%
• Undetermined ²	34	8%	19	9%
Total	424	100%	207	100%

¹ Heterosexual sex with partners with unknown risk and HIV status

² Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Plymouth County, Massachusetts, before 1999, 1999–2006¹

	Male		Female		Total
	N	%	N	%	
< 1999	582	76%	180	24%	762
1999	32	67%	16	33%	48
2000	31	62%	19	38%	50
2001	35	56%	27	44%	62
2002	37	79%	10	21%	47
2003	14	47%	16	53%	30
2004	24	65%	13	35%	37
2005	20	61%	13	39%	33
2006 ²	20	54%	17	46%	37

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Plymouth County, Massachusetts, before 1999, 1999–2006¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	483	63%	210	28%	65	9%	4	1%	762
1999	21	44%	17	35%	8	17%	2	4%	48
2000	25	50%	18	36%	-- ³	-- ³	-- ³	-- ³	50
2001	26	42%	29	47%	7	11%	0	0%	62
2002	21	45%	16	34%	9	19%	-- ³	-- ³	47
2003	13	43%	13	43%	-- ³	-- ³	-- ³	-- ³	30
2004	18	49%	15	41%	-- ³	-- ³	0	0%	37
2005	13	39%	15	45%	5	15%	0	0%	33
2006 ³	12	32%	16	43%	8	22%	1	3%	37

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality

⁴ 2006 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Plymouth County, Massachusetts, before 1999, 1999–2006¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	640	84%	30	4%	92	12%	762
1999	30	63%	4	8%	14	29%	48
2000	33	66%	2	4%	15	30%	50
2001	35	56%	4	6%	23	37%	62
2002	29	62%	5	11%	13	28%	47
2003	21	70%	1	3%	8	27%	30
2004	27	73%	1	3%	9	24%	37
2005	19	58%	3	9%	11	33%	33
2006 ³	23	62%	0	0%	14	38%	37

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Plymouth County, Massachusetts, before 1999, 1999–2006¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Undeter- mined ³		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	227	30%	259	34%	33	4%	94	12%	57	7%	56	7%	36	5%	762
1999	13	27%	12	25%	1	2%	9	19%	0	0%	8	17%	5	10%	48
2000	9	18%	15	30%	0	0%	8	16%	1	2%	15	30%	2	4%	50
2001	9	15%	9	15%	1	2%	14	23%	1	2%	22	35%	6	10%	62
2002	16	34%	4	9%	0	0%	7	15%	0	0%	13	28%	7	15%	47
2003	9	30%	5	17%	0	0%	1	3%	0	0%	9	30%	6	20%	30
2004	11	30%	4	11%	0	0%	3	8%	1	3%	10	27%	8	22%	37
2005	6	18%	4	12%	0	0%	5	15%	0	0%	11	33%	7	21%	33
2006 ⁴	12	32%	3	8%	0	0%	3	8%	0	0%	16	43%	3	8%	37

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁴ 2006 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Plymouth County, Massachusetts, 1999–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Year:	N	N	%
1999	9	48	19%
2000	12	50	24%
2001	21	62	34%
2002	17	47	36%
2003	6	30	20%
2004	15	37	41%
2005	11	33	33%
2006	17	37	46%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS
Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Plymouth County, Massachusetts, 2004–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Gender:	N	N	%
Male	28	64	44%
Female	15	43	35%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	18	43	42%
Black (non-Hispanic)	18	46	39%
Hispanic	6	17	35%
Other/Undetermined ²	1	1	100%
Place of Birth:	N	N	%
US	26	69	38%
Puerto Rico/US Dependencies ³	2	4	50%
Non-US	15	34	44%
Total	43	107	40%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08